		COR - 0654					
IEW COMPLETE	D	29 October 1959					
MEMORATION FOR	Deputy Director (Plans)	14 00069020D					
THROUGH	Acting Chief, IFD						
SERVECT	: Hemiling of CORONA Paylond at	Assembly Pacilities					
(Carathan Ca	(our 54042)						
b.	The Lundahl memo on conditions or requested Mr. Kinfer's and My co	con which you	NRO 25X1 25X1				
spending sever actually took seven. As you building, and	the useful by-products of having a psyload has been the opportunital days at the "L" Building at I place during the final phases of will see from his report he for the methods used in handling fill ordingly, on his return, he prepared corrective actions. This is	ty that this gave him of and others and of seeing what reminess for flight number and that the conditions in the is and camera, were not satis-	-				

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and I hope to forward it to LIED promptly.

referenced cable.

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of PIC were the authors of the quoted paragraph in Mr. Lundahl's meso. Mr. Kieffer and I went over the findings with them. In general, there was a common feeling that camera and film are not facility with the care that they should from a being headled at the photographic standpoint. Although this negative reaction was not accompanied by any specific recommendations on PIC's part as to changes that should be made, we feel that conditions can be sufficiently improved: (1) Through making the changes at "L" Building requested in the

> of conditions and (2) Through a like review by This he will do when he eccepts the methods at next payload, this time at

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NRO 25X1 25X1	4. We have felt for some time that job and that this weskness might have a real relationship to the program failures. We found that BMD agreed and accordingly Colonel Oder recently made the point to LMD. I have just heard that Jim Plummer is taking direct charge of the and this should be of help in carring the ills found by
	Chief, Development Branch DPD-DD/P
	Attachments: 1. DPD-7417-59, dated 29 October 1959 2. DD/P 4-8806, dated 14 October 1959
25X1	DB/DPD-DD/P:
	Distribution: Orig & 1 - Addressee, w/atts 1 & 2 1 - A/Ch/DPD, w/atts 1 & 2 1 - Ops/DPD, w/atts 1 & 2 1 - Ch/DB, w/atts 1 & 2 >1 - RI/DPD, w/atts 1 & 2

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2) (atolier 1939

reis	Aport	36		

externitions with colonel of 20 October 1959 to 20 October 1959, the salar colonel of 20 October 1959, the s

2. Will 107 was elitipad to Tenderburg 177 on Selectory, 17 October and comment and the state of th take, excess like, and took records were ablanced with the owners. The some toes arrived at Tanianburg 177 a few hours after surfeal of the cannot be severed of test records and the same log by foliated begins, Mar County and the collections remaind records to be imperialist and and up to date, preventing immitate acceptance of the parload section. Control of Indianal that there has been a session part religionation on the last mil's best, and that a file break occurred on the tests run at Talo illo on 17 Cotober. Additional documentation required later from tale alto indicated the cases had not about 300 cycles of additioning contained in means log and tour data, it was decard moreously to conduct father operational tests before acceptance could be made of the particul and for filler lift. It was agreed that these bests would be made during evelope check at the part and after the mill had been returned to the 1 hallding. No attempt was made to class the instrument for these tester homewar, the unit was configured (including all changes, such so installation of the new publication), as new flight configuration as Possible. (It some this is not considered eterated provides by the Yakissburg All 120) has prior to system runs.) by insisting on this proceedings many discompanying many rotated in the established pre-flight

voluties for Lamba, date not have, as a team number, arrange with sufficient beckground and/or experience to stoquetely prepare sortal portugation opplished for filight.

- Incliding are some like a factory assembly area than the type of area required for building and pre-flighting apacialized photographic equipments. The area is saily lacking in classificate and equipments for the functions to be performed. It seems that no consideration has been given to lighting conditions during leading of the payload into the instrument or during the time the instrument faring is natled to the mask symm. Under the conditions proposed, forging of the payload one occur.
- Library extreme care has been exercised in delivering the parload (film) to Tandonburg, it was noted that operational film, although hopt in air conditioned area, is stacked on the floor where damage could count. Camera specie, although notices are attached to each film out indicating that specie are never to be stood on flanges, were placed on flanges under morthocologs. A check of all these specie should all flanges to be damaged. It was also noted that all operational relies of film had been operad before intended use, increasing the damper of
- in the following pieces of egylpsent are considered secondary and should be presented for the L Ballding at the equipment possible data.
 - a. File States Sadis
 - 5. Speed Statem tender
 - e. Safe Lights, necessary wirthy and Continues
 - d. Film spiller
 - a. Thesine Table
 - The Parties Proposed of

to an arms in the 1 Redding without air conditioning, it is recommended that shittiers air conditioning equipment be promoted to air condition the acceptate building. Also, that provisions be made to derive the area during the percent the area constant.

- 7. It is felt that we should draw upon the experience we have obtained on the CHALLE program and apply it to the CHALL operation. It is, therefore, recommend that the shows be reviewed with TV and LED with the recommendation that the present team be increased to include a photographic pre-flight technicism. This menter about be subberised from a photographic stand point to approve the exploite payload medical for flight. His delice should include:
 - to the war the special equipment entitions are satisfialised in the
 - is indictension of file supply and spares, eds., film species

- c. Previously and evaluation of test film.
- A. Leading the Leakresent.
- a. Supervision of instrument operation during systems check.
- 3. In view of the curves fallures experienced on 17 October and 23 October, it was descel necessary to make a close inspection of the instrument prior to the shows reference systems these and acceptance of the cult. The following items were moted:
 - a. The casestte take up speci was found to have sharp bure on the inside edge of one flampe. This item had been installed at Tale like and ups considered ready for flight. Such bure, however, could have caused a film brook in flight.
 - to exceed 10 lies. This possibly sould have backed up the supply specil except to pull the handsade splice into the instrument and again be a possible occur for a file break in flight. The torque exter was remijested after the put systems shock to 2 lies or less.
 - that acretates throughout the format area. Although camera platter rules can be removed for the elements, pressure plates for the invited agreement to recover and academic or film base build up in these space algeb be essued for film breakes at altitude. However, film exposed on the pad system check and processed at _____ shows 25 no relicates of an atching during transport of thin base material.

It was noted the new high-temperature torque motor had been installed, although a unit of this type had not been qualified (however, qualification was expected prior to flight time). Taker checks have revealed that the only noter received totate is installed on second file. Conditionation must wait for further deliveries.

- 9. Other items noticed during inspection of the payload and are considered by the undersigned to be possible risk items for flight 1051 and should be reviewed for possible improvement for any subsequent flighter
 - a. Second Sallors Present rollars are film edge exprorting and show evidence of heavy areasing on the edges of the film while the operation is operating. This is an area that might cause a film break in filight. In is recommended that consideration be given to installing the old begind show roller or a rollar of a new dashign.

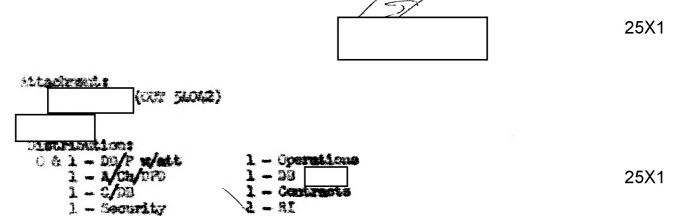
 (2 & 3 second to have a new improved rollar docign of this type.)
 - b. Film Penalon Film termion seems to Chestuste throughout the cases ayeles during operation. This has always been a possible

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cause for improper file tracking or file was around causing file breaks. It was must reviceship from the supply speel under the tiret show rolling and to the input metering rollings. The understand considered this flutter or more. The tension to be executer at this point. The complete fills path should be revised with the view to insuring organizate file termion throughout the system.

- 10. In view of the above, the following are recommendate
- a. That Headquarters, working with LEE review exceptance space for the partical gree and decide a simplified workship document. that will the remedical limits or other accortable limits and the results of all tasts performed by Link. This will expedite MESSELECT OF THEIR WILL.
- b. That DER to encouraged to complete all work and mailfloations. represented for each Click wit, at Palo Lito prior to adjust to Vertical Date (7).
- c. That Resignartors, in corporation with NO, aid LAND in untabilishing pro-flight Sorts to be used foring the L Dallding exert description to least. Also, and 1950 (if measurery) in the scinction and training of a photographic pre-flight technicion. It is precommended that this person be perognestly essigned to the CONTRACTOR.
- d. That all endposeds medicant is received to be prouved and installed in the L helicing at the earliest possible time.
- 2. That the undersident or a test consisting of the unioneleval, ir. 5. L. Gross (or representative) with a LISE representative make periodic visits to Verdeckery 178 to insure implementation and expliance with the space processes inthone. These visits should be tate at least once every 30 days.



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